

**Family list****6 family members for: JP2001165963**

Derived from 4 applications

**Back to JP2001165**

- 1 Current detector having a hall-effect device**  
**Inventor:** H01L43/06B **Applicant:** IPC: G01R15/20; H01L43/06; G01R15/14 (+1)  
**Publication info: DE60027257D D1** - 2006-05-24
- 2 Current detector having a hall-effect device**  
**Inventor:** OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (JP)  
**EC:** H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+3)  
**Publication info: EP1107328 A2** - 2001-06-13  
**EP1107328 A3** - 2004-10-13  
**EP1107328 B1** - 2006-04-12
- 3 CURRENT DETECTING DEVICE**  
**Inventor:** OTSUKA KOJI **Applicant:** SANKEN ELECTRIC CO LTD  
**EC:** H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+3)  
**Publication info: JP2001165963 A** - 2001-06-22
- 4 Current detector having a hall-effect device**  
**Inventor:** OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (US)  
**EC:** H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)  
**Publication info: US6462531 B1** - 2002-10-08

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## CURRENT DETECTOR WITH HALL ELEMENT

Publication number: JP2001174486

Publication date: 2001-06-29

Inventor: OTSUKA KOJI

Applicant: SANKEN ELECTRIC CO LTD

Classification:

- International: H01L43/04; G01R15/20; H01L43/06; H01L43/00;  
G01R15/14; H01L43/06; (IPC1-7): G01R15/20;  
H01L43/04

- European: H01L43/06B

Application number: JP19990361178 19991220

Priority number(s): JP19990361178 19991220

Also published as:



EP1111693 (A2)

US6683448 (B1)

EP1111693 (A3)

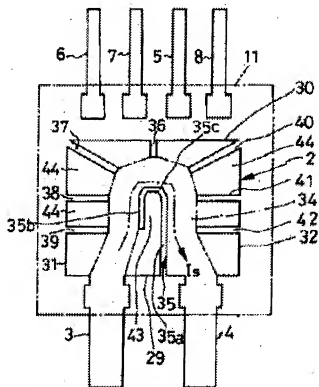
EP1111693 (B1)

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## Abstract of JP2001174486

PROBLEM TO BE SOLVED: To easily detect a large current with the use of a Hall element.

SOLUTION: A metallic supporting plate 2 for supporting the Hall element is set. Grooves 35-42 are formed on the supporting plate 2 and a current path 34 is set. A primary operating region of the Hall element is arranged inside the U-shaped current path 34.



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EP 1111693



**Family list****8** family members for: **JP2001174486**

Derived from 5 applications

**Back to JP2001174**

- 1 Large current detector having a hall-effect device**  
**Inventor:** **EC:** H01L43/06B **Applicant:** **IPC:** G01R15/20; H01L43/04; H01L43/06 (+3)  
**Publication info:** DE60027680D D1 - 2006-06-08
- 2 Large current detector having a hall-effect device**  
**Inventor:** OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (JP)  
**EC:** H01L43/06B **IPC:** H01L43/04; G01R15/20; H01L43/06 (+5)  
**Publication info:** EP1111693 A2 - 2001-06-27  
EP1111693 A3 - 2004-10-13  
EP1111693 B1 - 2006-05-03
- 3 CURRENT DETECTOR WITH HALL ELEMENT**  
**Inventor:** OTSUKA KOJI **Applicant:** SANKEN ELECTRIC CO LTD  
**EC:** H01L43/06B **IPC:** H01L43/04; G01R15/20; H01L43/06 (+5)  
**Publication info:** JP2001174486 A - 2001-06-29
- 4 Large current detector having a hall-effect device**  
**Inventor:** OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (US)  
**EC:** H01L43/06B **IPC:** H01L43/04; G01R15/20; H01L43/06 (+4)  
**Publication info:** US6683448 B1 - 2004-01-27
- 5 Electrical current detector having a U-shaped current path and hall-effect device**  
**Inventor:** OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (US)  
**EC:** H01L43/06B **IPC:** H01L43/06; H01L43/06; (IPC1-7): G01R31/00  
**Publication info:** US6791313 B2 - 2004-09-14  
US2004080307 A1 - 2004-04-29

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